

The Accession Medical Standards Analysis & Research Activity (AMSARA):

AFEB Brief on Accession Dental Standards

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Agenda

- Background
- Dental Accession Standards per DoD Instruction 6130.4, Jan 2005
- Dental Disqualifications
- Dental Waivers
- Dental Existed Prior to Service Discharges
- Dental Retention Standard per AR 40-501, 16 Feb 06, Air Force Instruction 48-123, 22 May 01
- Conclusion

Question to the AFEB

- 3. I would like the Armed Forces Epidemiological Board (AFEB) to review the scientific literature and the evidence behind the various dental caries risk indices to determine an appropriate periodicity and methodology for routine dental examinations in the Army. Please specifically address the following questions.
 - a. Is a single fixed period between examinations warranted based on the data or should dental examination recall, based on the individual service member's clinical history or risk indicators, be employed to more cost effectively achieve the same level of dental readiness?

Background

● Dental Accession Standards:

- E1.7.1. Current diseases of the jaws or associated tissues that prevent normal functioning are disqualifying. Those diseases include but are not limited to **temporomandibular disorders (524.6) and/or myofascial pain** that have not been corrected.
- E1.7.2. **Current severe malocclusion (524)**, which interferes with normal mastication or requires early and protracted treatment, or a relationship between the mandible and maxilla that prevents satisfactory future prosthodontic replacement is disqualifying.

Background

● Dental Accession Standards:

- E1.7.3. **Current insufficient natural healthy teeth (521) or lack of a serviceable prosthesis** that prevents adequate incision and mastication of a normal diet and/or includes complex (multiple fixtures) dental implant systems with associated complications are disqualifying. Individuals undergoing endodontic care are acceptable for entry in the Delayed Entry Program only if a civilian or military provider provides documentation that active endodontic treatment shall be completed prior to being sworn into active duty.

Background

● Dental Accession Standards:

- E1.7.4. **Current orthodontic appliances for continued treatment (V53.4)** are disqualifying. Retainer appliances are permissible, provided all active orthodontic treatment has been satisfactorily completed. Individuals undergoing orthodontic care are acceptable for enlistment in the Delayed Entry Program only if a civilian or military orthodontist provides documentation that active orthodontic treatment shall be completed prior to being sworn into active duty

Background

● Medical Accession Process

- History and physical examination
- Medical Officer performs an oral and dental exam
- No routine panoramic or bitewing Xrays
- Dental Class is not assigned
- May refer to a dentist if indicated by history or exam
- If a disqualifying dental condition is detected, a dental waiver may be requested after appropriate consultation
- Dental evaluation of new recruits varies by Service

Dental Disqualifications: Army Two-Year Average (2003 & 2004)

Diagnosis	ICD-9 Code	Count per year	% of Total DQ's
Teeth	521	160	56
Caries	521.0	54	19
Other teeth	521.1-9	6	2
Dentofacial	524	11	4
Other Dentofacial	524.0-9	4	1
TMJ*	524.6	13	5
Orthodontic Devices	V53.4	31	11
Total Dental DQ	NA	278	100
*Temporomandibular Joint Disorder	NA	~83,000 AD, NPS applicants per year	NA
Total Individuals	NA	2598	NA

Dental Disqualifications: Navy Two-Year Average (2003 & 2004)

Diagnosis	ICD-9 Code	Count per Year	% of Total DQ's
Teeth	521	35	45
Caries	521.0	18	23
Other teeth	521.1-9	2	3
Dentofacial	524	6	8
Other Dentofacial	524.0-9	0	0
TMJ*	524.6	7	9
Orthodontic Devices	V53.4	12	15
Total Dental DQ	NA	78	100
*Temporomandibular Joint Disorder	NA	~ 52,000 AD, NPS applicants per year	NA
Total Individuals	NA	749	NA

Dental Disqualifications: Marine Corps

Two-Year Average (2003 & 2004)

Diagnosis	ICD-9 Code	Count per Year	% of Total DQ's
Teeth	521	26	49
Caries	521.0	10	19
Other teeth	521.1-9	0	0
Dentofacial	524	3	6
Other Dentofacial	524.0-9	5	9
TMJ*	524.6	3	6
Orthodontic Devices	V53.4	9	17
Total Dental DQ	NA	53	100
*Temporomandibular Joint Disorder	NA	~ 41,000 AD, NPS applicants per year	10
Total Individuals	NA	46	NA

Dental Disqualifications: Air Force

Two-Year Average (2003 & 2004)

Diagnosis	ICD-9 Code	Count per Year	% of Total DQ's
Teeth	521	23	43
Caries	521.0	10	19
Other teeth	521.1-9	0	0
Dentofacial	524	3	6
Other Dentofacial	524.0-9	3	6
TMJ*	524.6	5	9
Orthodontic Devices	V53.4	9	17
Total Dental DQ	NA	53	100
*Temporomandibular Joint Disorder	NA	~ 38,000 AD, NPS applicants per year	46
Total Individuals			11 NA

Dental Waivers: Army Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Considered per Year	Approved per Year
Teeth	521	50	17
Caries	521.0	2	0
Other teeth	521.1-9	1	0
Dentofacial	524	3	2
Other Dentofacial	524.0-9	4	3
TMJ*	524.6	5	3
Orthodontic Devices	V53.4	3	3
Total conditions	NA	68	28
*Temporomandibular Joint Disorder Total Individuals	NA	68	12 27

Dental Waivers: Navy Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Considered per Year	Approved per Year
Teeth	521	3	1
Caries	521.0	10	4
Other teeth	521.1-9	0	0
Dentofacial	524	1	1
Other Dentofacial	524.0-9	1	1
TMJ*	524.6	2	1
Orthodontic Devices	V53.4	9	5
Total conditions	NA	26	12
*Temporomandibular Joint Disorder Total Individuals	NA	25	13
			11

Dental Waivers: Marine Corps Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Considered per Year	Approved per Year
Teeth	521	4	1
Caries	521.0	0	0
Other teeth	521.1-9	0	0
Dentofacial	524	0	0
Other Dentofacial	524.0-9	0	0
TMJ*	524.6	0	0
Orthodontic Devices	V53.4	11	6
Total conditions	NA	16	8
*Temporomandibular Joint Disorder Total Individuals	NA	15	14
			8

Dental Waivers: Air Force Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Considered per Year	Approved per Year
Teeth	521	0	0
Caries	521.0	1	0
Other teeth	521.1-9	0	0
Dentofacial	524	0	0
Other Dentofacial	524.0-9	5	4
TMJ*	524.6	4	2
Orthodontic Devices	V53.4	0	0
Total conditions	NA	9	7
*Temporomandibular Joint Disorder Total Individuals	NA	6	3
		15	

Dental EPTS: Army Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Average per Year
Teeth	521	5.6
Dentofacial	524	0.2
TMJ*	524.6	7.6
Orthodontic Devices	V53.4	0
Total conditions	NA	13.4
Total Individuals	NA	13.2

*Temporomandibular Joint Disorder

Dental EPTS: Navy Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Average per Year
Teeth	521	0.2
Dentofacial	524	0.2
TMJ*	524.6	0.8
Orthodontic Devices	V53.4	0.2
Total conditions	NA	1.4
Total Individuals	NA	1.4

*Temporomandibular Joint Disorder

Dental EPTS: Marine Corps Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Average per Year
Teeth	521	3.2
Dentofacial	524	2.2
TMJ*	524.6	7
Orthodontic Devices	V53.4	0.2
Total conditions	NA	12.6
Total Individuals	NA	12.2

*Temporomandibular Joint Disorder

Dental EPTS: Air Force Five-Year Average (2000-2004)

Diagnosis	ICD-9 Code	Average per Year
Teeth	521	0.2
Dentofacial	524	0.2
TMJ*	524.6	1.6
Orthodontic Devices	V53.4	0
Total conditions	NA	2
Total Individuals	NA	2

*Temporomandibular Joint Disorder

Dental retention Standards per AR 40-501, 16 Feb 06

- The causes for referral to a Medical Evaluation Board are diseases of the jaws, periodontium, or associated tissues when, following restorative surgery, there are residuals that are incapacitating or interfere with the individual's satisfactory performance of military duty
- Applies to Army and Navy & MC
- Air Force Instruction 48-123 is similar

Conclusion

- Dental disqualifications, waivers and EPTS discharges are relatively rare for each Service, but do vary by year and by diagnosis
- MEPCOM does not formally assess dental classification during medical accession exam
- Dental panograms and bitewings are not performed at MEPS exam, but are deferred to training sites
- AMSARA does not have access to dental classification codes of trainees



Questions?